

Attachment 3

Curriculum Vitae for John J. Reschl - CX64Cor

Curriculum Vitae
JOHN J. RESCHL, Chemist

Business Address: U.S. Environmental Protection Agency
National Enforcement Investigations Center
Building 25, P.O. Box 25227
Denver Federal Center
Denver, Colorado 80225
(303) 462-9117

Education: B.S., Chemistry
1989 - University of Denver
Denver, Colorado

Employment:

1990 - U.S. Environmental Protection Agency
National Enforcement Investigations Center
Present Denver Federal Center
Denver, CO 80225
Chemist

As a senior chemist, I independently perform a wide variety of chemical and physical analytical tests with chemical waste materials and contaminated media for identifying and quantitating physical and chemical properties and composition of these materials. Work includes laboratory project management involving independent analyses and analysis teams and authoring reports to support environmental criminal and civil investigations. Analyses include the Resource Conservation and Recovery Act (RCRA) characteristic testing of hazardous waste for toxicity, ignitability, corrosivity and reactivity. Toxicity characterization includes routinely performing the Toxicity Characteristic Leaching Procedure (TCLP) Method 1311 for a wide variety of hazardous waste as found in EPA Publication SW-846 *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods* followed by analyses using instrumentation such as inductively coupled argon plasma optical emission spectroscopy (ICP-OES) and mass spectrometry (ICP-MS) for determining concentrations of toxic analytes. Ignitability characterization includes routinely using a Seta-Flash Closed Cup Flashpoint tester following SW-846 Method 1020C to determine flashpoint temperatures of hazardous wastes. Corrosivity characterization includes routinely performing potentiometric pH determinations of hazardous wastes following SW-846 Method 9040C. Reactivity characterization includes hazardous waste testing for cyanide, azide, sulfide and reaction chemistries using many test methods involving ion and gas chromatography, ion selective electrode potentiometry, UV-vis spectrophotometry, automated direct flow injection and a wide variety of wet chemistry testing.

Examples of case specific work include, but are not limited to, the following: Worked

directly in large scale field investigations and field testing to determine chemical properties of toxic materials at large chemical facilities. Designed testing plans, schemes, and testing protocols using systematic approaches to determine specific information vital to experiment success. Performed rapid analyses and testing to support CBRNE analysis for Department of Homeland Security efforts.

October 1988 - U.S. Environmental Protection Agency
National Enforcement Investigations Center
February 1990 Denver, CO 80225
Physical Science Technician

Performed analytical services for criminal investigations. Prepared and analyzed samples for toxic metals in a broad variety of media including water, soil, vegetation, and waste samples using analytical techniques, including ICP-OES and Atomic Absorption Spectroscopy.

June 1987 - U.S. Environmental Protection Agency
National Enforcement Investigations Center
October 1988 Denver, CO 80225
Physical Science Aide

Performed physical, chemical, and instrumental testing for the analysis, comparison, and evaluation and characterization of evidence materials. Provided computer data-entry support of the results of determinations or measurements of the chemical constituents or physical properties of evidence materials.

Expert Testimony

Testified as a fact witness for the government for the successful prosecution of two criminal trials (*US vs. Applied Coatings*, Houston, TX and *US vs. Cactus Park*, Grand Junction, CO). Testified for the government in a Daubert hearing (*US vs. Ryan Kelly Chamberlain*).

Publications and Presentations:

E. Betterton, R. Ingamells, J. Lowry, J. Reschl, and R. Ross, "Putting the air into airbags", EPA, National Enforcement Investigations Center, Denver Federal Center, CO, (2003).

J. Beihoffer, E. Bour, C. Gibson, J.H. Lowry, J.J. Reschl, and J.L. Seidel, "Identification and Determination of Isomeric Bromo and/or Chloro Substituted 1,3-Dihalo-5,5-dimethylhydantoins Used in Disinfectants and Pesticides," presented at the 210th American Chemical Society National Meeting and Exposition Program, Chicago, Illinois (1995) and *Journal of AOAC International*, 79, 823-828 (1996).

J. Seidel, J. Reschl, and J. Beihoffer, "Identification and Quantification of Polar Organic Compounds in Flammable Hazardous Waste by GC/FT-IR", presented at the 35th Rocky Mountain Conference on Analytical Chemistry, Denver, Colorado (1993).

M. Ketterer, J.J. Reschl, M. Peters, "Multivariate Calibration in Inductively Coupled Plasma Mass Spectrometry", presented at the 31st Rocky Mountain Conference on Analytical Chemistry, Denver, Colorado (1989).

Michael E. Ketterer, John J. Reschl, Michael J. Peters, "Multivariate Calibration in Inductively Coupled Plasma Mass Spectrometry", *Anal. Chem.* 1989, 61 (18), pp 2031-2040.

Continuing Education:

Course	Sponsor	Date of Completion
8-hr HAZWOPER Refresher Training	US EPA OCEFT	Annual
Refresher: Lab Safety Training Field Safety 8 hr	Various	Annual
Avio ICP-OES (In-house training)	Perkin Elmer	1/13/2020
NexION ICP-MS (In-house training)	Perkin Elmer	4/30/2013
ICP-MS with ELAN Software	Perkin Elmer	12/15/2012
8-hr HAZWOPER Refresher Training	Colorado Safety Association	1/19/2011
Sampling for Defensible Environmental Decisions	EnviroStat, Inc.	10/29/2010
Basic Inspector Training CST109	US EPA NETI	8/5/2010
McCoy's RCRA Unraveled	McCoy and Associates	May 2010
56 th ASMS Conference on Mass Spectrometry and Allied Topics	ASMS Colorado Convention Center	6/5/2008
ICS-3000 with MSQ Training	Dionex Corporation	5/21/2008
ISO/IEC17025 and Forensic Accreditation Requirements	FQS-1	Jan 2008
Lab Safety Training	Stephen B. Andrews, CIH	5/17/2005
Environmental Enforcement Litigation Update – Courtroom	U.S. EPA NEIC	1/13/2005
Field Safety 8hr	Tetra Tech	1/11/2005
Health and Field Safety 8-hr training	U.S. EPA NETI	3/23/2004
Report Development/Review Procedure	U.S. EPA NEIC	9/2/2003
Lab Safety Refresher	Front Range C.C.	6/3/2003
Project Coordination Procedure	U.S. EPA NEIC	5/6/2003
Field Health & Safety Training	Tetra Tech	3/25/2003
Ion Chromatography Seminar	Dionex Corporation	10/25/2002
Evidence Management Procedure	U.S. EPA NEIC	6/24/2002
Introduction to Peaknet 6/Chromeleon Software	Dionex Corporation	6/11/2002
DX-500/600 Advanced Maintenance & Troubleshooting	Dionex Corporation	6/7/2002
Lab Safety 4hr	Front Range C.C.	5/14/2002
Internal Audit Training	NFSTC	4/23/2002

Course	Sponsor	Date of Completion
ISO/IEC17025 and Forensic Accreditation Requirements	NFSTC	4/22/2002
Hazardous Waste & Emergency Response Procedures/Pollution Prevention Plan	U.S. EPA NEIC	1/16/2002
Field Safety 8hr	Tetra Tech	1/16/2002
Environmental Enforcement Litigation Update - Courtroom	EPA-NEIC/LCRMD	1/10/2002
Information Security Awareness Training	U.S. EPA NEIC	8/30/2001
NEIC Computer Security Plan	NEIC-FITB	7/12/2001
Field Safety 8hr	Tetra Tech-NUS	1/18/2001
Validating Analytical Chemistry Methods	Enigma Analytical	10/31/2000
Project File Management Procedure	U.S. EPA NEIC	8/10/2000
Use and Basic Maintenance of the Dionex Accelerated Solvent Extractor	U.S. EPA NEIC	8/1/2000
Use of Analytical Balances	U.S. EPA NEIC	7/13/2000
Internal Review Procedure	U.S. EPA NEIC	6/7/2000
Safety/EMS, Laboratory Safety Refresher	Front Range C.C.	5/23/2000
Records Management Procedure	U.S. EPA NEIC	5/18/2000
Report Development/Review Procedure	U.S. EPA NEIC	5/18/2000
Project Acceptance Procedure	U.S. EPA NEIC	5/18/2000
Laboratory Branch Competency Evaluation/Proficiency Testing	U.S. EPA NEIC	5/18/2000
Laboratory Data/Data Package Review Procedure	U.S. EPA NEIC	5/18/2000
Software Validation Procedure	U.S. EPA NEIC	5/18/2000
Field Data/Data Package Review Procedure	U.S. EPA NEIC	5/18/2000
Communications Policy	U.S. EPA NEIC	5/18/2000
Evidence Management Procedure	U.S. EPA NEIC	4/18/2000
Organic Compound Analysis Procedure	U.S. EPA NEIC	3/14/2000
Maintenance, Operation, and Performance of GC's With Associated Detectors and Equipment	U.S. EPA NEIC	3/14/2000
Laboratory Branch Project Planning & Coordination	U.S. EPA NEIC	3/14/2000
Physical Description/Phase Separation	U.S. EPA NEIC	3/14/2000
Security (Facility) Procedure	U.S. EPA NEIC	2/29/2000
Testimony Evaluation Procedure	U.S. EPA NEIC	2/29/2000
Safety and Health Policy	U.S. EPA NEIC	2/29/2000
Safety, Health and Environmental Management (Manual, Plans, Procedures)	U.S. EPA NEIC	2/29/2000
Security (Facility) Policy	U.S. EPA NEIC	2/29/2000
Grand Jury Rule 6(e) Confidential Materials Guidance	U.S. EPA NEIC	2/29/2000
Radiation Safety and Health Protection	U.S EPA NEIC	Sep 1999

Course	Sponsor	Date of Completion
ISO Guide 25 Executive Overview	NFSTC	Jun 1998
Field Safety/Confined Space Entry Refresher	Halliburton NUS Corp.	Nov 1997
IOC Symposium – ION Chromatography/analysis	Century International	Sep 1997
Court Training – Court Room	NEIC & NETI	Aug 1997
Lab Safety Refresher	Red Rocks C.C.	Aug 1997
Lab Safety Refresher	Red Rocks CC	Sep 1996
Field Safety/Confined Space Entry Refresher	Steve Andrews	Sep 1996
Laboratory Safety Refresher	NETI: Red Rocks C.C.	Jun 1995
Field Safety Refresher	Region 7 & NEIC	Mar 1995
OSHA Laboratory Standard	Front Range Com. College	Sept 1992
Investigation Management	Dr. Constantine Sotiriou	1992
Integration of Laboratory Quality Assurance and Total Quality Management	Dr. Stanley Deming	1992
Experimental Design	Dr. Stanley Deming	1991
Laboratory Quality Assurance	Dr. John Taylor	1989
Sampling Methodologies for Monitoring the Environment - Theory and Practice	Dr. Francis Pitard	1988

Awards:

Bronze Medal for Commendable Service – US EPA (2017)

Team Division Awards – US EPA - NEIC (2015 and 2012)

Superior Accomplishment Recognition Awards – US EPA - NEIC (2014 and 1999)

Certificate of Commendation – US DOJ Environment and Natural Resources Division (September 14, 2007)

Bronze Medal for Commendable Service – US EPA (2000)

On The Spot Awards – US EPA - NEIC (Sep 2010, Apr 2009, Feb 2009, Aug 2005, May 2005, May 1999, Jan 1999, and Jan 1994)