

# APPENDIX E

## CERTIFICATIONS

**UNCONTROLLED COPY**

Appendix E  
Quality Assurance Manual  
Rev. 18.0  
June 29, 2007



# The American Industrial Hygiene Association

acknowledges that

## Columbia Analytical Services, Inc.

2665 Park Center Drive, Suite A, Simi Valley, CA 93065-6200

Laboratory ID: 101661

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby, conforming to the ISO/IEC 17025:1999 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA in the following:

### ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE      Accreditation Expires: 05/01/2008
- ENVIRONMENTAL LEAD      Accreditation Expires:
- ENVIRONMENTAL MICROBIOLOGY      Accreditation Expires:
- FOOD      Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached **Scope of Accreditation**.

*David Kahane*

David Kahane, CIH  
Chairperson, Analytical Accreditation Board

*Frank M. Renshaw*

Frank M. Renshaw, PhD, CIH, CSP  
President, AIHA

Date Re-Issued: 11/28/2006





**SOUND DATA**  
**LABORATORY QUALITY ASSURANCE PROGRAMS**  
**SMART DECISIONS**

**AIHA**  
*Your Essential Connection: Advancing Occupational and Environmental Health and Safety Globally*  
 2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A.  
 (703) 849-8888; Fax (703) 207-3561; www.aiha.org

## AIHA Laboratory Quality Assurance Programs SCOPE OF ACCREDITATION

Columbia Analytical Services, Inc.  
 2665 Park Center Drive, Suite A, Simi Valley, CA 93065-6200

Laboratory ID: **101661**  
 Date Re-Issued: 11/28/2006

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA website at:  
<http://www.aiha.org/Content/LQAP/accred/AccreditedLabs.htm>

### Industrial Hygiene Laboratory Accreditation Program (IHLAP)

**Initial Accreditation Date: 09/01/1994**

| IHLAP Category              | Field of Testing (FoT)    | Method     | Method Description<br><i>(for internal methods only)</i> |
|-----------------------------|---------------------------|------------|----------------------------------------------------------|
| <b>Core Program Testing</b> | <b>Gas Chromatography</b> | NIOSH 1450 |                                                          |
|                             |                           | NIOSH 1457 |                                                          |
|                             |                           | NIOSH 1500 |                                                          |
|                             |                           | NIOSH 1501 |                                                          |
|                             |                           | NIOSH 1550 |                                                          |
|                             |                           | OSHA 07    |                                                          |

**The laboratory participates in the following AIHA\* or AIHA-approved proficiency testing programs:**

- |                                                                            |                                                             |
|----------------------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> Metals*                                           | <input checked="" type="checkbox"/> Organic Solvents*       |
| <input type="checkbox"/> Silica*                                           | <input checked="" type="checkbox"/> Diffusive Sampler (3M)* |
| <input type="checkbox"/> Asbestos*                                         | <input type="checkbox"/> Diffusive Sampler (SKC)*           |
| <input type="checkbox"/> Bulk Asbestos*                                    | <input type="checkbox"/> Diffusive Sampler (AT)*            |
| <input type="checkbox"/> Beryllium*                                        | <input type="checkbox"/> WASP <sup>1</sup> (Formaldehyde)   |
| <input type="checkbox"/> WASP <sup>1</sup> (Thermal Desorption Tubes)      |                                                             |
| <input type="checkbox"/> Pharmaceutical Round Robin                        |                                                             |
| <input type="checkbox"/> Compressed/Breathing Air Round Robin              |                                                             |
| <input type="checkbox"/> NVLAP (determined at the time of site assessment) |                                                             |

<sup>1</sup> Workplace Analytical Scheme for Proficiency

Effective: February 28, 2006  
 Scope\_IHLAP\_R3  
 Author: Kris Heinbaugh  
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# ENVIRONMENTAL LABORATORY LICENSE

**Issued to:**

Laboratory Director: John Yokoyama  
Owner/Representative: John Yokoyama

*Columbia Analytical Services, Inc.*  
**AZ0694**

is in compliance with Environmental Laboratory's applicable standards for the State of Arizona and maintains on file a List of Parameters for which the laboratory is certified to perform analysis.

**PERIOD OF LICENSURE FROM: 06/28/2007 TO: 06/27/2008**



A handwritten signature in black ink, appearing to read "Steven D. Baker".

Steven D. Baker, Chief  
Office of Laboratory Services  
Bureau of State Laboratory Services

AZ License: AZ0694

Lab Name: Columbia Analytical Services, Inc.

Lab Director: Mr. John Yokoyama

Phone: (805) 526-7161

Fax: (805) 526-7270

| Program                                      |              | AIR          |           |  |
|----------------------------------------------|--------------|--------------|-----------|--|
| Parameter                                    | EPA Method   | Billing Code | Cert Date |  |
| Volatile Organic Compounds                   | METHOD TO-15 | AIR17        | 06/28/06  |  |
| Total Licensed Parameters in this Program: 1 |              |              |           |  |

| Program                                       |            | HW           |           |  |
|-----------------------------------------------|------------|--------------|-----------|--|
| Parameter                                     | EPA Method | Billing Code | Cert Date |  |
| Bromide                                       | EPA 9056   | NIIIA1       | 06/28/06  |  |
| Chloride                                      | EPA 9056   | NIIIA1       | 06/28/06  |  |
| Chromium, Hexavalent                          | EPA 7196A  | MTL4         | 06/28/06  |  |
| Chromium, Hexavalent                          | EPA 7199   | MTL4         | 06/28/06  |  |
| Closed System Purge And Trap Extract. Vocs    | EPA 5035A  | PREP2        | 12/05/06  |  |
| Corrosivity Ph Determination                  | EPA 9040C  | HAZ1         | 12/05/06  |  |
| Fluoride                                      | EPA 9056   | NIIIA1       | 06/28/06  |  |
| Hydrogen Ion (Ph)                             | EPA 9045D  | NIA6         | 12/05/06  |  |
| Nitrate                                       | EPA 9056   | NIIIA1       | 06/28/06  |  |
| Nitrite                                       | EPA 9056   | NIIIA1       | 06/28/06  |  |
| Nonhalogenated Organics Using Gc/Fid          | EPA 8015D  | VOC4         | 12/05/06  |  |
| Ortho-Phosphate                               | EPA 9056   | NIIIA1       | 06/28/06  |  |
| Purge And Trap For Aqueous Samples            | EPA 5030C  | PREP2        | 12/05/06  |  |
| Specific Conductance                          | EPA 9050A  | NIA7         | 06/28/06  |  |
| Sulfate                                       | EPA 9056   | NIIIA1       | 06/28/06  |  |
| Vocs By Gc/Ms                                 | EPA 8260B  | VOC8         | 06/28/06  |  |
| Total Licensed Parameters in this Program: 16 |            |              |           |  |

| Program                    |              | WW           |           |  |
|----------------------------|--------------|--------------|-----------|--|
| Parameter                  | EPA Method   | Billing Code | Cert Date |  |
| Bromide                    | EPA 300.0    | NIIIA1       | 06/28/06  |  |
| Chloride                   | EPA 300.0    | NIIIA1       | 06/28/06  |  |
| Chromium, Hexavalent       | SM 3500-CR D | MTL4         | 06/28/06  |  |
| Color                      | SM 2120B     | NIA4         | 12/05/06  |  |
| Fluoride                   | EPA 300.0    | NIIIA1       | 06/28/06  |  |
| Hydrogen Ion (Ph)          | SM 4500-H B  | NIA6         | 02/20/07  |  |
| Nitrate                    | EPA 300.0    | NIIIA1       | 06/28/06  |  |
| Nitrite (As N)             | EPA 300.0    | NIIIA1       | 06/28/06  |  |
| Nitrite (As N)             | EPA 354.1    | NIIIB4       | 06/28/06  |  |
| Orthophosphate             | EPA 300.0    | NIIIA1       | 06/28/06  |  |
| Purgeables                 | EPA 624      | VOC8         | 06/28/06  |  |
| Residue Nonfilterable      | SM 2540D     | NIIA5        | 12/05/06  |  |
| Residue Total              | SM 2540B     | NIIA4        | 12/05/06  |  |
| Residue, Settleable Solids | SM 2540F     | NIIA6        | 06/28/06  |  |

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Tuesday, April 3 2007

AZ License: AZ0694

Lab Name: Columbia Analytical Services, Inc.

| Program                                    | WW                   |            |              |           |
|--------------------------------------------|----------------------|------------|--------------|-----------|
|                                            | Parameter            | EPA Method | Billing Code | Cert Date |
|                                            | Specific Conductance | EPA 120.1  | NIA7         | 06/28/06  |
|                                            | Sulfate              | EPA 300.0  | NIIIA1       | 06/28/06  |
|                                            | Turbidity            | EPA 180.1  | NIA9         | 06/28/06  |
| Total Licensed Parameters in this Program: |                      | 17         |              |           |

| Instruments                         | Quantity | Date     |
|-------------------------------------|----------|----------|
| GAS CHROMATOGRAPH/MASS SPECTROMETER | 8        | 05/19/06 |
| GAS CHROMATOGRAPH                   | 2        | 05/19/06 |
| ION CHROMATOGRAPH                   | 2        | 11/27/06 |

| Softwares           |
|---------------------|
| ENVIROQUANT - GCMS  |
| HP CHEMSTATION - GC |
| ENVIROQUANT - GC    |
| CHEMSTATION - GC/MS |
| METROHM - IC        |
| STEALTH - GC        |
| STEALTH GC/MS       |

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STATE OF CALIFORNIA  
DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

NELAP - RECOGNIZED

**ACCREDITATION**

Is hereby granted to

**COLUMBIA ANALYTICAL SERVICES, INC.**

2655 PARK CENTER DRIVE, SUITE A  
SIMI VALLEY, CA 93065

Scope of accreditation is limited to the  
"NELAP Fields of Accreditation"  
which accompanies this Certificate.

Continued accredited status depends on successful  
ongoing participation in the program.

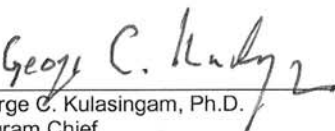
This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **02115CA**

Expiration Date: **12/31/2007**

Effective Date: **12/31/2006**

Richmond, California  
subject to forfeiture or revocation

  
George C. Kulasingam, Ph.D.  
Program Chief  
Environmental Laboratory Accreditation Program

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**CALIFORNIA DEPARTMENT OF HEALTH SERVICES**  
**ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM - NELAP RECOGNIZED**  
 Fields of Accreditation



**COLUMBIA ANALYTICAL SERVICES, INC.**

**Lab Phone (805) 526-7161**

2655 PARK CENTER DRIVE, SUITE A  
 SIMI VALLEY, CA 93065

**Certificate No: 02115CA    Renew Date: 12/31/2007**

**INTERIM**

| <b>108 - Inorganic Chemistry of Wastewater</b>        |     |             |                           |
|-------------------------------------------------------|-----|-------------|---------------------------|
| 108.016                                               | 001 | EPA 110.2   | Color                     |
| 108.020                                               | 001 | EPA 120.1   | Conductivity              |
| 108.050                                               | 001 | EPA 150.1   | pH                        |
| 108.070                                               | 001 | EPA 160.2   | Residue, Non-filterable   |
| 108.080                                               | 001 | EPA 160.3   | Residue, Total            |
| 108.100                                               | 001 | EPA 160.5   | Residue, Settleable       |
| 108.110                                               | 001 | EPA 180.1   | Turbidity                 |
| 108.120                                               | 001 | EPA 300.0   | Bromide                   |
| 108.120                                               | 002 | EPA 300.0   | Chloride                  |
| 108.120                                               | 003 | EPA 300.0   | Fluoride                  |
| 108.120                                               | 004 | EPA 300.0   | Nitrate                   |
| 108.120                                               | 005 | EPA 300.0   | Nitrite                   |
| 108.120                                               | 006 | EPA 300.0   | Nitrate-nitrite, Total    |
| 108.120                                               | 007 | EPA 300.0   | Phosphate, Ortho          |
| 108.120                                               | 008 | EPA 300.0   | Sulfate                   |
| 108.240                                               | 001 | EPA 354.1   | Nitrite                   |
| <b>109 - Toxic Chemical Elements of Wastewater</b>    |     |             |                           |
| 109.104                                               | 001 | EPA 218.6   | Chromium (VI)             |
| 109.811                                               | 001 | SM3500-Cr D | Chromium (VI)             |
| <b>110 - Volatile Organic Chemistry of Wastewater</b> |     |             |                           |
| 110.040                                               | 001 | EPA 624     | Benzene                   |
| 110.040                                               | 002 | EPA 624     | Bromodichloromethane      |
| 110.040                                               | 003 | EPA 624     | Bromoform                 |
| 110.040                                               | 004 | EPA 624     | Bromomethane              |
| 110.040                                               | 005 | EPA 624     | Carbon Tetrachloride      |
| 110.040                                               | 006 | EPA 624     | Chlorobenzene             |
| 110.040                                               | 007 | EPA 624     | Chloroethane              |
| 110.040                                               | 008 | EPA 624     | 2-Chloroethyl Vinyl Ether |
| 110.040                                               | 009 | EPA 624     | Chloroform                |
| 110.040                                               | 010 | EPA 624     | Chloromethane             |
| 110.040                                               | 011 | EPA 624     | Dibromochloromethane      |
| 110.040                                               | 012 | EPA 624     | 1,2-Dichlorobenzene       |
| 110.040                                               | 013 | EPA 624     | 1,3-Dichlorobenzene       |

As of 01/17/2007, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

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|         |     |         |                           |
|---------|-----|---------|---------------------------|
| 110.040 | 014 | EPA 624 | 1,4-Dichlorobenzene       |
| 110.040 | 015 | EPA 624 | 1,1-Dichloroethane        |
| 110.040 | 016 | EPA 624 | 1,2-Dichloroethane        |
| 110.040 | 017 | EPA 624 | 1,1-Dichloroethene        |
| 110.040 | 018 | EPA 624 | trans-1,2-Dichloroethene  |
| 110.040 | 019 | EPA 624 | 1,2-Dichloropropane       |
| 110.040 | 020 | EPA 624 | cis-1,3-Dichloropropene   |
| 110.040 | 021 | EPA 624 | trans-1,3-Dichloropropene |
| 110.040 | 022 | EPA 624 | Ethylbenzene              |
| 110.040 | 023 | EPA 624 | Methylene Chloride        |
| 110.040 | 024 | EPA 624 | 1,1,2,2-Tetrachloroethane |
| 110.040 | 025 | EPA 624 | Tetrachloroethene         |
| 110.040 | 026 | EPA 624 | Toluene                   |
| 110.040 | 027 | EPA 624 | 1,1,1-Trichloroethane     |
| 110.040 | 028 | EPA 624 | 1,1,2-Trichloroethane     |
| 110.040 | 029 | EPA 624 | Trichloroethene           |
| 110.040 | 030 | EPA 624 | Trichlorofluoromethane    |
| 110.040 | 031 | EPA 624 | Vinyl Chloride            |

**114 - Inorganic Chemistry of Hazardous Waste**

|         |     |           |                                |
|---------|-----|-----------|--------------------------------|
| 114.103 | 001 | EPA 7196A | Chromium (VI)                  |
| 114.106 | 001 | EPA 7199  | Chromium (VI)                  |
| 114.240 | 001 | EPA 9040B | Corrosivity - pH Determination |
| 114.241 | 001 | EPA 9045C | Corrosivity - pH Determination |
| 114.250 | 001 | EPA 9056  | Fluoride                       |

**116 - Volatile Organic Chemistry of Hazardous Waste**

|         |     |           |                         |
|---------|-----|-----------|-------------------------|
| 116.020 | 001 | EPA 8015B | Acetone                 |
| 116.020 | 006 | EPA 8015B | n-Butyl Alcohol         |
| 116.020 | 009 | EPA 8015B | Ethanol                 |
| 116.020 | 011 | EPA 8015B | Ethylene Glycol         |
| 116.020 | 014 | EPA 8015B | Isopropyl Alcohol       |
| 116.020 | 015 | EPA 8015B | Methanol                |
| 116.030 | 001 | EPA 8015B | Gasoline-range Organics |
| 116.080 | 001 | EPA 8260B | Acetone                 |
| 116.080 | 002 | EPA 8260B | Acetonitrile            |
| 116.080 | 003 | EPA 8260B | Acrolein                |
| 116.080 | 004 | EPA 8260B | Acrylonitrile           |
| 116.080 | 005 | EPA 8260B | Allyl Alcohol           |
| 116.080 | 007 | EPA 8260B | Benzene                 |
| 116.080 | 010 | EPA 8260B | Bromochloromethane      |
| 116.080 | 011 | EPA 8260B | Bromodichloromethane    |
| 116.080 | 012 | EPA 8260B | Bromoform               |

As of 01/17/2007, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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|         |     |           |                                |
|---------|-----|-----------|--------------------------------|
| 116.080 | 013 | EPA 8260B | Bromomethane                   |
| 116.080 | 015 | EPA 8260B | Carbon Disulfide               |
| 116.080 | 016 | EPA 8260B | Carbon Tetrachloride           |
| 116.080 | 018 | EPA 8260B | Chlorobenzene                  |
| 116.080 | 019 | EPA 8260B | Chloroethane                   |
| 116.080 | 020 | EPA 8260B | 2-Chloroethyl Vinyl Ether      |
| 116.080 | 021 | EPA 8260B | Chloroform                     |
| 116.080 | 022 | EPA 8260B | Chloromethane                  |
| 116.080 | 023 | EPA 8260B | Chloroprene                    |
| 116.080 | 026 | EPA 8260B | Dibromochloromethane           |
| 116.080 | 027 | EPA 8260B | Dibromochloropropane           |
| 116.080 | 028 | EPA 8260B | 1,2-Dibromoethane              |
| 116.080 | 030 | EPA 8260B | Dibromomethane                 |
| 116.080 | 031 | EPA 8260B | 1,2-Dichlorobenzene            |
| 116.080 | 032 | EPA 8260B | 1,3-Dichlorobenzene            |
| 116.080 | 033 | EPA 8260B | 1,4-Dichlorobenzene            |
| 116.080 | 034 | EPA 8260B | cis-1,4-Dichloro-2-butene      |
| 116.080 | 035 | EPA 8260B | trans-1,4-Dichloro-2-butene    |
| 116.080 | 036 | EPA 8260B | Dichlorodifluoromethane        |
| 116.080 | 037 | EPA 8260B | 1,1-Dichloroethane             |
| 116.080 | 038 | EPA 8260B | 1,2-Dichloroethane             |
| 116.080 | 039 | EPA 8260B | 1,1-Dichloroethene             |
| 116.080 | 040 | EPA 8260B | trans-1,2-Dichloroethene       |
| 116.080 | 041 | EPA 8260B | cis-1,2-Dichloroethene         |
| 116.080 | 042 | EPA 8260B | 1,2-Dichloropropane            |
| 116.080 | 043 | EPA 8260B | 1,3-Dichloropropane            |
| 116.080 | 044 | EPA 8260B | 2,2-Dichloropropane            |
| 116.080 | 045 | EPA 8260B | 1,1-Dichloropropene            |
| 116.080 | 046 | EPA 8260B | cis-1,3-Dichloropropene        |
| 116.080 | 047 | EPA 8260B | trans-1,3-Dichloropropene      |
| 116.080 | 050 | EPA 8260B | 1,4-Dioxane                    |
| 116.080 | 052 | EPA 8260B | Ethyl Acetate                  |
| 116.080 | 053 | EPA 8260B | Ethylbenzene                   |
| 116.080 | 055 | EPA 8260B | Ethyl Methacrylate             |
| 116.080 | 056 | EPA 8260B | Hexachlorobutadiene            |
| 116.080 | 058 | EPA 8260B | 2-Hexanone (MBK)               |
| 116.080 | 059 | EPA 8260B | Iodomethane                    |
| 116.080 | 060 | EPA 8260B | Isobutyl Alcohol               |
| 116.080 | 062 | EPA 8260B | Methacrylonitrile              |
| 116.080 | 064 | EPA 8260B | Methyl tert-butyl Ether (MTBE) |
| 116.080 | 065 | EPA 8260B | Methylene Chloride             |

As of 01/17/2007, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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|         |     |            |                                         |
|---------|-----|------------|-----------------------------------------|
| 116.080 | 066 | EPA 8260B  | Methyl Ethyl Ketone                     |
| 116.080 | 067 | EPA 8260B  | Methyl Methacrylate                     |
| 116.080 | 068 | EPA 8260B  | 4-Methyl-2-pentanone (MIBK)             |
| 116.080 | 069 | EPA 8260B  | Naphthalene                             |
| 116.080 | 078 | EPA 8260B  | Propionitrile                           |
| 116.080 | 081 | EPA 8260B  | 1,1,1,2-Tetrachloroethane               |
| 116.080 | 082 | EPA 8260B  | 1,1,2,2-Tetrachloroethane               |
| 116.080 | 083 | EPA 8260B  | Tetrachloroethene                       |
| 116.080 | 084 | EPA 8260B  | Toluene                                 |
| 116.080 | 086 | EPA 8260B  | 1,2,3-Trichlorobenzene                  |
| 116.080 | 087 | EPA 8260B  | 1,2,4-Trichlorobenzene                  |
| 116.080 | 088 | EPA 8260B  | 1,1,1-Trichloroethane                   |
| 116.080 | 089 | EPA 8260B  | 1,1,2-Trichloroethane                   |
| 116.080 | 090 | EPA 8260B  | Trichloroethene                         |
| 116.080 | 091 | EPA 8260B  | Trichlorofluoromethane                  |
| 116.080 | 092 | EPA 8260B  | 1,2,3-Trichloropropane                  |
| 116.080 | 093 | EPA 8260B  | Vinyl Acetate                           |
| 116.080 | 094 | EPA 8260B  | Vinyl Chloride                          |
| 116.080 | 095 | EPA 8260B  | Xylenes, Total                          |
| 116.080 | 096 | EPA 8260B  | tert-Amyl Methyl Ether (TAME)           |
| 116.080 | 097 | EPA 8260B  | tert-Butyl Alcohol (TBA)                |
| 116.080 | 098 | EPA 8260B  | Ethyl tert-butyl Ether (ETBE)           |
| 116.080 | 099 | EPA 8260B  | Bromobenzene                            |
| 116.080 | 100 | EPA 8260B  | n-Butylbenzene                          |
| 116.080 | 101 | EPA 8260B  | sec-Butylbenzene                        |
| 116.080 | 102 | EPA 8260B  | tert-Butylbenzene                       |
| 116.080 | 103 | EPA 8260B  | 2-Chlorotoluene                         |
| 116.080 | 104 | EPA 8260B  | 4-Chlorotoluene                         |
| 116.080 | 105 | EPA 8260B  | Isopropylbenzene                        |
| 116.080 | 106 | EPA 8260B  | N-propylbenzene                         |
| 116.080 | 107 | EPA 8260B  | Styrene                                 |
| 116.080 | 108 | EPA 8260B  | 1,2,4-Trimethylbenzene                  |
| 116.080 | 109 | EPA 8260B  | 1,3,5-Trimethylbenzene                  |
| 116.100 | 001 | LUFT GC/MS | Total Petroleum Hydrocarbons - Gasoline |
| 116.100 | 010 | LUFT GC/MS | BTEX and MTBE                           |
| 116.110 | 001 | LUFT       | Total Petroleum Hydrocarbons - Gasoline |

**120 - Physical Properties of Hazardous Waste**

|         |     |           |                                |
|---------|-----|-----------|--------------------------------|
| 120.070 | 001 | EPA 9040B | Corrosivity - pH Determination |
| 120.080 | 001 | EPA 9045C | Corrosivity - pH Determination |

As of 01/17/2007, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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State of Florida  
Department of Health, Bureau of Laboratories

This is to certify that

E871020

COLUMBIA ANALYTICAL SERVICES, INC. - SIMI VALLEY  
2655 PARK CENTER DRIVE, SUITE A  
SIMI VALLEY, CA 91360

has complied with Florida Administrative Code 64E-1,  
for the examination of Environmental samples in the following categories  
AIR AND EMISSIONS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

**EFFECTIVE July 01, 2007 THROUGH June 30, 2008**



A handwritten signature in black ink, appearing to read "Max Saifinger".

Max Saifinger, M.D.  
Chief, Bureau of Laboratories  
Florida Department of Health  
DH Form 1697, 7/04  
NON-TRANSFERABLE E871020-01-7/1/2007  
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E871020-01, expiration date June 30, 2008. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E871020

EPA Lab Code: CA01527

(805) 526-7161

E871020

Columbia Analytical Services, Inc. - Simi Valley  
2655 Park Center Drive, Suite A  
Simi Valley, CA 91360

Matrix: Air and Emissions

| Analyte                                     | Method/Tech | Category          | Certification Type | Effective Date |
|---------------------------------------------|-------------|-------------------|--------------------|----------------|
| 1,1,1-Trichloroethane                       | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,1,2,2-Tetrachloroethane                   | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane       | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,1,2-Trichloroethane                       | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,1-Dichloroethane                          | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,1-Dichloroethylene                        | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,2,4-Trichlorobenzene                      | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,2,4-Trimethylbenzene                      | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane      | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,2-Dichlorobenzene                         | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,2-Dichloroethane                          | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,2-Dichloropropane                         | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,3,5-Trimethylbenzene                      | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,3-Butadiene                               | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,3-Dichlorobenzene                         | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,4-Dichlorobenzene                         | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 1,4-Dioxane (1,4-Diethyleneoxide)           | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 2,2,4-Trimethylpentane                      | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 2-Butanone (Methyl ethyl ketone, MEK)       | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| 4-Methyl-2-pentanone (MIBK)                 | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Allyl chloride (3-Chloropropene)            | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Benzene                                     | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Bromoform                                   | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Carbon disulfide                            | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Carbon tetrachloride                        | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Chlorobenzene                               | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Chloroethane                                | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Chloroform                                  | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| cis-1,2-Dichloroethylene                    | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| cis-1,3-Dichloropropene                     | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Dichlorodifluoromethane                     | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Ethylbenzene                                | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Hexachlorobutadiene                         | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Methyl bromide (Bromomethane)               | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Methyl chloride (Chloromethane)             | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2007

Expiration Date: 6/30/2008

**UNCONTROLLED COPY**

*Laboratory Scope of Accreditation*

Attachment to Certificate #: E871020-01, expiration date June 30, 2008. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E871020

EPA Lab Code: CA01527

(805) 526-7161

E871020

Columbia Analytical Services, Inc. - Simi Valley  
2655 Park Center Drive, Suite A  
Simi Valley, CA 91360

Matrix: Air and Emissions

| Analyte                                 | Method/Tech | Category          | Certification Type | Effective Date |
|-----------------------------------------|-------------|-------------------|--------------------|----------------|
| Methyl isobutyl ketone (Hexone)         | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Methyl methacrylate                     | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Methyl tert-butyl ether (MTBE)          | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Methylene chloride                      | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| n-Heptane                               | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| n-Hexane                                | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Styrene                                 | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Tetrachloroethylene (Perchloroethylene) | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Toluene                                 | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| trans-1,2-Dichloroethylene              | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| trans-1,3-Dichloropropylene             | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Trichloroethene (Trichloroethylene)     | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Trichlorofluoromethane                  | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Vinyl acetate                           | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Vinyl chloride                          | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |
| Xylene (total)                          | EPA TO-15   | Volatile Organics | NELAP              | 6/11/2007      |

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Issue Date: 7/1/2007

Expiration Date: 6/30/2008

**UNCONTROLLED COPY**



State of New Jersey  
Department of Environmental Protection  
Certifies That

**Columbia Analytical Services, Inc.**  
Laboratory Certification ID #: CA009

*having duly met the requirements of the*  
Regulations Governing The Certification Of  
Laboratories And Environmental Measurements N.J.A.C. 7:18 et. seq.

*and*

*having been found compliant with the standard approved by the*  
National Environmental Laboratory Accreditation Conference

*is hereby approved as a*  
Nationally Accredited Environmental Laboratory  
*to perform the analyses as indicated on the Annual Certified Parameter List*  
*which must accompany this certificate to be valid.*



NJDEP is a NELAP Recognized Accrediting Authority

Expiration Date June 30, 2008

Joseph F. Aiello, Chief  
Office of Quality Assurance

THIS CERTIFICATE IS TO BE CONSPICUOUSLY DISPLAYED AT THE LABORATORY WITH THE ANNUAL CERTIFIED PARAMETER LIST IN A LOCATION ON THE PREMISES VISIBLE TO THE PUBLIC



New Jersey Department of Environmental Protection  
National Environmental Laboratory Accreditation Program  
**ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS**  
Effective as of 07/01/2007 until 06/30/2008

Laboratory Name: COLUMBIA ANALYTICAL SERVICES INC Laboratory Number: CA009 Activity ID: NLC070001  
2655 PARK CTR DR  
STE A  
SIMI VALLEY, CA 93065

Category: CAP03 -- Atmospheric Organic Parameters

| Status    | NJ Data | State | Code        | Matrix | Technique Description | Approved Method | Parameter Description                |
|-----------|---------|-------|-------------|--------|-----------------------|-----------------|--------------------------------------|
| Dropped   | No      | NJ    | CAP03.00180 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acetaldehyde                         |
| Certified | Yes     | NJ    | CAP03.00184 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acetone                              |
| Applied   | No      | NJ    | CAP03.00185 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acetonitrile                         |
| Dropped   | No      | NJ    | CAP03.00190 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acetophenone                         |
| Certified | Yes     | NJ    | CAP03.00195 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acrolein                             |
| Dropped   | No      | NJ    | CAP03.00200 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acrylamide                           |
| Dropped   | No      | NJ    | CAP03.00205 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acrylic acid                         |
| Applied   | No      | NJ    | CAP03.00210 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Acrylonitrile                        |
| Certified | Yes     | NJ    | CAP03.00215 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Allyl chloride                       |
| Certified | Yes     | NJ    | CAP03.00225 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Benzene                              |
| Applied   | No      | NJ    | CAP03.00230 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Benzyl chloride                      |
| Dropped   | No      | NJ    | CAP03.00235 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Propiolactone (beta-)                |
| Dropped   | No      | NJ    | CAP03.00240 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Bis (2-chloroethyl) ether            |
| Dropped   | No      | NJ    | CAP03.00245 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Bis (chloromethyl) ether             |
| Certified | Yes     | NJ    | CAP03.00250 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Bromodichloromethane                 |
| Certified | Yes     | NJ    | CAP03.00255 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Bromoform                            |
| Certified | Yes     | NJ    | CAP03.00260 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Bromomethane                         |
| Certified | Yes     | NJ    | CAP03.00265 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Butadiene (1,3-)                     |
| Certified | Yes     | NJ    | CAP03.00270 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Carbon disulfide                     |
| Certified | Yes     | NJ    | CAP03.00275 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Carbon tetrachloride                 |
| Dropped   | No      | NJ    | CAP03.00280 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Carbon oxysulfide (Carbonyl sulfide) |
| Dropped   | No      | NJ    | CAP03.00285 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Catechol                             |
| Dropped   | No      | NJ    | CAP03.00295 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Chloroacetic acid                    |
| Certified | Yes     | NJ    | CAP03.00300 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Chlorobenzene                        |
| Certified | Yes     | NJ    | CAP03.00305 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Chloroethane                         |
| Certified | Yes     | NJ    | CAP03.00310 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Chloroform                           |
| Certified | Yes     | NJ    | CAP03.00315 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Chloromethane                        |
| Dropped   | No      | NJ    | CAP03.00320 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Chloromethyl methyl ether            |
| Dropped   | No      | NJ    | CAP03.00325 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Chlorotoluene (2-)                   |
| Dropped   | No      | NJ    | CAP03.00330 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Cresols/Cresylic acid                |
| Certified | Yes     | NJ    | CAP03.00335 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Cyclohexane                          |

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

---- Annual Certified Parameters List ---- Effective as of 07/01/2007 until 06/30/2008





New Jersey Department of Environmental Protection  
National Environmental Laboratory Accreditation Program  
**ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS**  
Effective as of 07/01/2007 until 06/30/2008

Laboratory Name: COLUMBIA ANALYTICAL SERVICES INC Laboratory Number: CA009 Activity ID: NLC070001  
2655 PARK CTR DR  
STE A  
SIMI VALLEY, CA 93065

Category: CAP03 -- Atmospheric Organic Parameters

| Status    | NJ Data | State | Code        | Matrix | Technique Description | Approved Method | Parameter Description            |
|-----------|---------|-------|-------------|--------|-----------------------|-----------------|----------------------------------|
|           |         |       |             |        |                       |                 |                                  |
| Certified | Yes     | NJ    | CAP03.00342 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dibromochloromethane             |
| Applied   | No      | NJ    | CAP03.00345 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dibromo-3-chloropropane (1,2-)   |
| Certified | Yes     | NJ    | CAP03.00350 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dibromomethane (1,2-) (EDB)      |
| Certified | Yes     | NJ    | CAP03.00355 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichlorobenzene (1,2-)           |
| Certified | Yes     | NJ    | CAP03.00360 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichlorobenzene (1,3-)           |
| Certified | Yes     | NJ    | CAP03.00365 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichlorobenzene (1,4-)           |
| Certified | Yes     | NJ    | CAP03.00368 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichlorodifluoromethane          |
| Certified | Yes     | NJ    | CAP03.00370 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloromethane (1,1-)           |
| Certified | Yes     | NJ    | CAP03.00375 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloromethane (1,2-)           |
| Certified | Yes     | NJ    | CAP03.00380 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloroethene (1,1-)            |
| Certified | Yes     | NJ    | CAP03.00384 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloroethene (cis-1,2-)        |
| Certified | Yes     | NJ    | CAP03.00385 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloroethene (trans-1,2-)      |
| Dropped   | No      | NJ    | CAP03.00390 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichlorofluoromethane            |
| Certified | Yes     | NJ    | CAP03.00395 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloropropane (1,2-)           |
| Certified | Yes     | NJ    | CAP03.00400 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloropropene (cis-1,3-)       |
| Certified | Yes     | NJ    | CAP03.00401 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichloropropene (trans-1,3-)     |
| Certified | Yes     | NJ    | CAP03.00405 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dichlorotetrafluoroethane (1,2-) |
| Dropped   | No      | NJ    | CAP03.00410 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Diethyl sulfate                  |
| Dropped   | No      | NJ    | CAP03.00415 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dimethyl sulfate                 |
| Dropped   | No      | NJ    | CAP03.00425 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dimethylcarbamoyl chloride       |
| Dropped   | No      | NJ    | CAP03.00430 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dimethyl formamide (N, N-)       |
| Certified | Yes     | NJ    | CAP03.00440 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Dioxane (1,4-)                   |
| Dropped   | No      | NJ    | CAP03.00445 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Epichlorohydrin                  |
| Dropped   | No      | NJ    | CAP03.00450 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Epoxybutane (1,2-)               |
| Applied   | No      | NJ    | CAP03.00452 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Ethyl acetate                    |
| Dropped   | No      | NJ    | CAP03.00455 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Ethyl acrylate                   |
| Dropped   | No      | NJ    | CAP03.00460 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Ethyl carbamate (Urethane)       |
| Certified | Yes     | NJ    | CAP03.00465 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Ethylbenzene                     |
| Dropped   | No      | NJ    | CAP03.00470 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Ethylene Oxide                   |
| Certified | Yes     | NJ    | CAP03.00480 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Ethyltoluene (4-)                |
| Dropped   | No      | NJ    | CAP03.00485 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Formaldehyde                     |
| Certified | Yes     | NJ    | CAP03.00490 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Hexachlorobutadiene (1,3-)       |

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials



New Jersey Department of Environmental Protection  
National Environmental Laboratory Accreditation Program  
**ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS**  
Effective as of 07/01/2007 until 06/30/2008

Laboratory Name: COLUMBIA ANALYTICAL SERVICES INC Laboratory Number: CA009 Activity ID: NLC070001  
2655 PARK CTR DR  
STE A  
SIMI VALLEY, CA 93065

Category: CAP03 -- Atmospheric Organic Parameters

| Status    | NJ Data Report | State | Code        | Matrix | Technique Description | Approved Method | Parameter Description                |
|-----------|----------------|-------|-------------|--------|-----------------------|-----------------|--------------------------------------|
|           |                |       |             |        |                       |                 |                                      |
| Certified | Yes            | NJ    | CAP03.00498 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Hexanone (2-)                        |
| Dropped   | No             | NJ    | CAP03.00500 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Heptane (n-)                         |
| Dropped   | No             | NJ    | CAP03.00505 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Hexane (n-)                          |
| Dropped   | No             | NJ    | CAP03.00510 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Isophorone                           |
| Applied   | No             | NJ    | CAP03.00511 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Isopropanol                          |
| Applied   | No             | NJ    | CAP03.00515 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Isopropylbenzene                     |
| Dropped   | No             | NJ    | CAP03.00520 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methyl alcohol (Methanol)            |
| Certified | Yes            | NJ    | CAP03.00525 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methyl ethyl ketone                  |
| Certified | Yes            | NJ    | CAP03.00535 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methyl isobutyl ketone               |
| Dropped   | No             | NJ    | CAP03.00540 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methyl isocyanate                    |
| Certified | Yes            | NJ    | CAP03.00545 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methyl methacrylate                  |
| Certified | Yes            | NJ    | CAP03.00550 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methyl tert-butyl ether              |
| Certified | Yes            | NJ    | CAP03.00555 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methylene chloride (Dichloromethane) |
| Dropped   | No             | NJ    | CAP03.00565 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Methylphenol (2-)                    |
| Dropped   | No             | NJ    | CAP03.00570 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Nitrobenzene                         |
| Dropped   | No             | NJ    | CAP03.00575 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Nitropropane (2-)                    |
| Dropped   | No             | NJ    | CAP03.00580 | AE     | GC/MS, Canisters      | [EPA TO-15]     | N-Nitrosodimethylamine               |
| Dropped   | No             | NJ    | CAP03.00585 | AE     | GC/MS, Canisters      | [EPA TO-15]     | N-Nitrosomorpholine                  |
| Dropped   | No             | NJ    | CAP03.00590 | AE     | GC/MS, Canisters      | [EPA TO-15]     | N-Nitroso-N-methylurea               |
| Dropped   | No             | NJ    | CAP03.00595 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Phenol                               |
| Dropped   | No             | NJ    | CAP03.00600 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Phosgene                             |
| Dropped   | No             | NJ    | CAP03.00605 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Propionaldehyde                      |
| Applied   | No             | NJ    | CAP03.00612 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Propylene                            |
| Dropped   | No             | NJ    | CAP03.00615 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Propylene oxide                      |
| Dropped   | No             | NJ    | CAP03.00620 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Propane sulfone (1,3-)               |
| Certified | Yes            | NJ    | CAP03.00625 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Styrene                              |
| Dropped   | No             | NJ    | CAP03.00630 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Styrene oxide                        |
| Certified | Yes            | NJ    | CAP03.00635 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Styrene                              |
| Certified | Yes            | NJ    | CAP03.00640 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Trichlorobenzene (1,2,4-)            |
| Certified | Yes            | NJ    | CAP03.00645 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Trichlorobenzene (1,3,5-)            |
| Certified | Yes            | NJ    | CAP03.00650 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Trimethylbenzene (1,2,4-)            |
| Applied   | No             | NJ    | CAP03.00652 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Trimethylbenzene (2,2,4-)            |
| Applied   | No             | NJ    | CAP03.00652 | AE     | GC/MS, Canisters      | [EPA TO-15]     | Tert-butyl alcohol                   |

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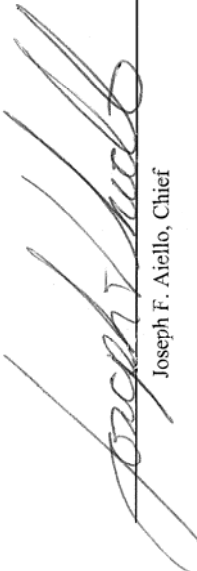


New Jersey Department of Environmental Protection  
National Environmental Laboratory Accreditation Program  
**ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS**  
Effective as of 07/01/2007 until 06/30/2008

Laboratory Name: COLUMBIA ANALYTICAL SERVICES INC Laboratory Number: CA009 Activity ID: NLC070001  
2655 PARK CTR DR  
STE A  
SIMI VALLEY, CA 93065

Category: CAP03 -- Atmospheric Organic Parameters

| Status    | Eligible to Report |        | State | Code        | Matrix           | Technique Description | Approved Method                             | Parameter Description |
|-----------|--------------------|--------|-------|-------------|------------------|-----------------------|---------------------------------------------|-----------------------|
|           | NJ Data            | Matrix |       |             |                  |                       |                                             |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00655 | GC/MS, Canisters | [EPA TO-15]           | Tetrachloroethane (1,1,2,2-)                |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00660 | GC/MS, Canisters | [EPA TO-15]           | Tetrachloroethene                           |                       |
| Applied   | No                 | AE     | NJ    | CAP03.00662 | GC/MS, Canisters | [EPA TO-15]           | Tetrahydrofuran                             |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00665 | GC/MS, Canisters | [EPA TO-15]           | Toluene                                     |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00670 | GC/MS, Canisters | [EPA TO-15]           | Trichloroethane (1,1,1-)                    |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00675 | GC/MS, Canisters | [EPA TO-15]           | Trichloroethane (1,1,2-)                    |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00680 | GC/MS, Canisters | [EPA TO-15]           | Trichloroethene                             |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00684 | GC/MS, Canisters | [EPA TO-15]           | Trichlorofluoromethane                      |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00685 | GC/MS, Canisters | [EPA TO-15]           | Trichloro (1,1,2-) trifluoroethane (1,2,2-) |                       |
| Dropped   | No                 | AE     | NJ    | CAP03.00695 | GC/MS, Canisters | [EPA TO-15]           | Trifluoromethane                            |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00700 | GC/MS, Canisters | [EPA TO-15]           | Vinyl acetate                               |                       |
| Dropped   | No                 | AE     | NJ    | CAP03.00705 | GC/MS, Canisters | [EPA TO-15]           | Vinyl bromide                               |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00710 | GC/MS, Canisters | [EPA TO-15]           | Vinyl chloride                              |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00715 | GC/MS, Canisters | [EPA TO-15]           | Xylene (m-)                                 |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00720 | GC/MS, Canisters | [EPA TO-15]           | Xylene (o-)                                 |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00725 | GC/MS, Canisters | [EPA TO-15]           | Xylene (p-)                                 |                       |
| Certified | Yes                | AE     | NJ    | CAP03.00730 | GC/MS, Canisters | [EPA TO-15]           | Xylenes (total)                             |                       |

  
 Joseph F. Aiello, Chief

KEY: AE = Air and Emissions, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials

---- Annual Certified Parameters List ---- Effective as of 07/01/2007 until 06/30/2008

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER  
RICHARD F. DAINES, M.D.



Expires 12:01 AM April 01, 2008  
Issued April 01, 2007

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. MICHAEL TUDAY  
COLUMBIA ANALYTICAL SERVICES INC. -SIMI VALLEY  
2655 PARK CENTER DR, SUITE A  
SIMI VALLEY, CA 93065

NY Lab Id No: 11221  
EPA Lab Code: CA00404

is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards for the category  
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved analytes are listed below:

**Acrylates**

Acrylonitrile EPA TO-15  
Methyl methacrylate EPA TO-15

**Chlorinated Hydrocarbons**

1,2,4-Trichlorobenzene EPA TO-15  
Hexachlorobutadiene EPA TO-15

**Purgeable Aromatics**

1,2,4-Trimethylbenzene EPA TO-15  
1,2-Dichlorobenzene EPA TO-15  
1,3,5-Trimethylbenzene EPA TO-15  
1,3-Dichlorobenzene EPA TO-15  
1,4-Dichlorobenzene EPA TO-15  
Benzene EPA TO-15  
Chlorobenzene EPA TO-15  
Ethyl benzene EPA TO-15  
Styrene EPA TO-15  
Toluene EPA TO-15  
Total Xylenes EPA TO-15

**Purgeable Halocarbons**

1,1,1-Trichloroethane EPA TO-15  
1,1,1,2-Tetrachloroethane EPA TO-15  
1,1,2-Trichloroethane EPA TO-15

**Purgeable Halocarbons**

1,1,2-Trifluoro-1,2,2-Trichloroethane EPA TO-15  
1,1-Dichloroethane EPA TO-15  
1,1-Dichloroethene EPA TO-15  
1,2-Dichloro-1,1,2,2-tetrafluoroethane EPA TO-15  
1,2-Dichloroethane EPA TO-15  
1,2-Dichloropropane EPA TO-15  
Bromodichloromethane EPA TO-15  
Bromoform EPA TO-15  
Bromomethane EPA TO-15  
Carbon tetrachloride EPA TO-15  
Chloroethane EPA TO-15  
Chloroform EPA TO-15  
Chloromethane EPA TO-15  
cis-1,2-Dichloroethene EPA TO-15  
cis-1,3-Dichloropropene EPA TO-15  
Dichlorodifluoromethane EPA TO-15  
Methylene chloride EPA TO-15  
Tetrachloroethene EPA TO-15  
trans-1,2-Dichloroethene EPA TO-15  
trans-1,3-Dichloropropene EPA TO-15  
Trichloroethene EPA TO-15  
Trichlorofluoromethane EPA TO-15  
Vinyl chloride EPA TO-15

Serial No.: 32757

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

Page 1 of 2



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Page E19 of E26  
Quality Assurance Manual  
Rev. 18.0  
June 29, 2007

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER  
RICHARD F. DAINES, M.D.



Expires 12:01 AM April 01, 2008  
Issued April 01, 2007

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. MICHAEL TUDAY  
COLUMBIA ANALYTICAL SERVICES INC. -SIMI VALLEY  
2655 PARK CENTER DR, SUITE A  
SIMI VALLEY, CA 93065

NY Lab Id No: 11221  
EPA Lab Code: CA00404

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards for the category  
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved analytes are listed below:*

**Volatile Organics**

|                                 |           |
|---------------------------------|-----------|
| 1,3-Butadiene                   | EPA TO-15 |
| 1,4-Dioxane                     | EPA TO-15 |
| 2-Butanone (Methylethyl ketone) | EPA TO-15 |
| Acetone                         | EPA TO-15 |
| Carbon Disulfide                | EPA TO-15 |
| Hexane                          | EPA TO-15 |
| Methyl tert-butyl ether         | EPA TO-15 |
| Vinyl acetate                   | EPA TO-15 |

Serial No.: 32757

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

Page 2 of 2



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# OREGON

## ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM



NELAP Recognized

**Columbia Analytical Services, Inc.**

**CA200007**

2655 Park Center Drive, Suite A  
Simi Valley, CA 93065

IS GRANTED APPROVAL BY ORELAP UNDER THE 2003 NELAC STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW:

| <i>Air</i> | <i>Drinking Water</i> | <i>Non Potable Water</i> | <i>Solids and Chem. Waste</i> | <i>Tissue</i> |
|------------|-----------------------|--------------------------|-------------------------------|---------------|
| Chemistry  |                       |                          |                               |               |

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTIC TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

*Irene E. Ronning*

Irene E. Ronning, Ph.D.  
ORELAP Administrator  
1717 SW 10th  
Portland, OR 97201



ISSUE DATE: 5/13/2007

EXPIRATION DATE: 5/12/2008

Certificate No: CA200007-004



# Oregon

## Environmental Laboratory Accreditation Program



Department of Agriculture, Laboratory Division  
 Department of Environmental Quality, Laboratory Division  
 Department of Human Services, Public Health Laboratory

Public Health Laboratory  
 1717 SW 10th Avenue  
 Portland, OR 97201  
 (503) 229-5505  
 FAX (503) 229-5682  
 TTY (503) 731-4031

NELAP Recognized

### ORELAP Fields of Accreditation

ORELAPID: CA200007  
 EPA Code: CA00404

### Columbia Analytical Services, Inc.

Certificate: CA200007-004

2655 Park Center Drive, Suite A  
 Simi Valley, CA, 93065

Issue Date: 5/13/2007      Expiration Date: 5/12/2008  
 As of 5/13/2007 this list supercedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with ORELAP.

### MATRIX: Air

| Reference           | Code                                        | Description                          |
|---------------------|---------------------------------------------|--------------------------------------|
| EPA TO-15           | 120                                         | VOCs collected in Canisters by GC/MS |
| <u>Analyte Code</u> | <u>Analyte</u>                              |                                      |
| 5160                | 1,1,1-Trichloroethane                       |                                      |
| 5110                | 1,1,2,2-Tetrachloroethane                   |                                      |
| 5195                | 1,1,2-Trichloro-1,2,2-trifluoroethane       |                                      |
| 5165                | 1,1,2-Trichloroethane                       |                                      |
| 4630                | 1,1-Dichloroethane                          |                                      |
| 4640                | 1,1-Dichloroethylene                        |                                      |
| 5155                | 1,2,4-Trichlorobenzene                      |                                      |
| 5210                | 1,2,4-Trimethylbenzene                      |                                      |
| 4585                | 1,2-Dibromoethane (EDB, Ethylene dibromide) |                                      |
| 4610                | 1,2-Dichlorobenzene                         |                                      |
| 4635                | 1,2-Dichloroethane                          |                                      |
| 4655                | 1,2-Dichloropropane                         |                                      |
| 9396                | 1,2-Epoxybutane                             |                                      |
| 5215                | 1,3,5-Trimethylbenzene                      |                                      |
| 9318                | 1,3-Butadiene                               |                                      |
| 4615                | 1,3-Dichlorobenzene                         |                                      |
| 9576                | 1,3-Propane sultone                         |                                      |
| 4620                | 1,4-Dichlorobenzene                         |                                      |
| 4735                | 1,4-Dioxane (1,4- Diethyleneoxide)          |                                      |
| 5220                | 2,2',4-Trimethylpentane                     |                                      |
| 4410                | 2-Butanone (Methyl ethyl ketone, MEK)       |                                      |
| 4535                | 2-Chlorotoluene                             |                                      |
| 4860                | 2-Hexanone                                  |                                      |
| 6400                | 2-Methylphenol (o-Cresol)                   |                                      |
| 5020                | 2-Nitropropane                              |                                      |
| 158                 | 4-Ethyltoluene                              |                                      |
| 4300                | Acetaldehyde                                |                                      |
| 4315                | Acetone                                     |                                      |
| 5510                | Acetophenone                                |                                      |
| 4325                | Acrolein (Propenal)                         |                                      |
| 4330                | Acrylamide                                  |                                      |
| 4335                | Acrylic acid                                |                                      |
| 4355                | Allyl chloride (3-Chloropropene)            |                                      |
| 4375                | Benzene                                     |                                      |
| 5075                | beta-Propiolactone                          |                                      |

Columbia Analytical Services, Inc.

2655 Park Center Drive, Suite A  
Simi Valley, CA, 93065

Issue Date: 5/13/2007

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Customers: Please verify the current accreditation standing with ORELAP.

|      |                                             |
|------|---------------------------------------------|
| 5765 | bis(2-Chloroethyl)ether                     |
| 4515 | bis(Chloromethyl)ether                      |
| 4395 | Bromodichloromethane                        |
| 4400 | Bromoform                                   |
| 4950 | Bromomethane (Methyl bromide)               |
| 4450 | Carbon disulfide                            |
| 4455 | Carbon tetrachloride                        |
| 7215 | Carbonyl sulfide                            |
| 7235 | Catechol                                    |
| 9336 | Chloroacetic acid                           |
| 4475 | Chlorobenzene                               |
| 4485 | Chloroethane                                |
| 4505 | Chloroform                                  |
| 105  | Chloromethane                               |
| 4520 | Chloromethyl methyl ether                   |
| 4645 | cis-1,2-Dichloroethylene                    |
| 4680 | cis-1,3-Dichloropropene                     |
| 7325 | Cresol/Cresylic acid (mixed isomers)        |
| 4555 | Cyclohexane                                 |
| 4575 | Dibromochloromethane                        |
| 4625 | Dichlorodifluoromethane                     |
| 154  | Dichlorofluoromethane                       |
| 4650 | Dichloromethane (DCM, Methylene chloride)   |
| 6080 | Diethyl sulfate                             |
| 7480 | Dimethyl carbamoyl chloride                 |
| 7485 | Dimethyl sulfate                            |
| 4745 | Epichlorohydrin (1-Chloro-2,3-epoxypropane) |
| 4760 | Ethyl acrylate                              |
| 6250 | Ethyl carbamate (Urethane)                  |
| 4765 | Ethylbenzene                                |
| 4795 | Ethylene oxide                              |
| 4815 | Formaldehyde                                |
| 3815 | Freon-114 (Dichlorotetrafluoroethane)       |
| 166  | Heptane                                     |
| 4835 | Hexachlorobutadiene                         |
| 4850 | Hexane                                      |
| 6320 | Isophorone                                  |
| 4930 | Methanol                                    |
| 4985 | Methyl isobutyl ketone (MIBK)               |
| 9498 | Methyl isocyanate                           |
| 4990 | Methyl methacrylate                         |
| 5000 | Methyl tert-butyl ether (MTBE)              |
| 5245 | m-Xylene                                    |
| 5010 | n,n-dimethyl formamide                      |
| 5015 | Nitrobenzene                                |
| 6530 | n-Nitrosodimethylamine                      |
| 6555 | n-Nitrosomorpholine                         |
| 6520 | n-Nitroso-n-methylurea                      |
| 5250 | o-Xylene                                    |
| 6625 | Phenol                                      |
| 7995 | Phosgene                                    |



**ORELAP Fields of Accreditation**

**ORELAPID:** CA200007

**EPA Code:** CA00404

**Columbia Analytical Services, Inc.**

2655 Park Center Drive, Suite A  
Simi Valley, CA, 93065

**Certificate:** CA200007-004

**Issue Date:** 5/13/2007

**Expiration Date:** 5/12/2008

As of 5/13/2007 this list supercedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with ORELAP.

|      |                                         |
|------|-----------------------------------------|
| 9573 | Propanal (Propionaldehyde)              |
| 9579 | Propylene oxide                         |
| 5255 | p-Xylene                                |
| 5100 | Styrene                                 |
| 9594 | Styrene oxide                           |
| 5115 | Tetrachloroethylene (Perchloroethylene) |
| 5140 | Toluene                                 |
| 4700 | trans-1,2-Dichloroethylene              |
| 4685 | trans-1,3-Dichloropropylene             |
| 5170 | Trichloroethene (Trichloroethylene)     |
| 5175 | Trichlorofluoromethane                  |
| 256  | Trifluoromethane                        |
| 5225 | Vinyl acetate                           |
| 5230 | Vinyl bromide                           |
| 5235 | Vinyl chloride                          |
| 5260 | Xylene (total)                          |



DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING SERVICE CENTER  
1100 23RD AVE  
PORT HUENEME CA 93043-4370

IN REPLY REFER TO:

NFESC 413  
February 8, 2007

Ms. Lynne Nelson  
Quality Assurance Program Manager  
Columbia Analytical Services – Simi Valley  
2655 Park Center Drive, Suite A  
Simi Valley, CA 93065

Dear Ms. Nelson,

This correspondence addresses the status of Columbia Analytical Services of Simi Valley, California in the Navy Environmental Restoration (ER) Quality Assurance (QA) Program as administered by the Naval Facilities Engineering Service Center (NFESC).

Your laboratory is accepted to perform sample analysis for the methods listed in Table 1. The period of acceptance expires September 20, 2008. This acceptance does not guarantee the delivery of any analytical samples. Acceptance is facility specific and can not be transferred to an affiliated or subcontract laboratory.

The Navy's review included a review of the laboratory's QA manual, selected standard operating procedures (SOPs) and SOP master list, list of major analytical instrumentation, performance test (PT) results and onsite audit documentation<sup>1</sup>.

The Navy reserves the right to conduct additional laboratory assessments or to suspend or revoke acceptance status for any or all of the listed parameters if deemed necessary.

Table 1

| METHOD           | PARAMETER                          | MATRIX |
|------------------|------------------------------------|--------|
| EPA Method TO-15 | Volatile Organic Compounds (GC/MS) | Air    |

Acceptance for use for parameters not identified on the table will be determined by Navy project personnel. The laboratory should notify NFESC if there are parameters not presented on Table 1 that the laboratory expects to run on a routine basis in support of Navy environmental

<sup>1</sup> State of Arizona, Department of Health Services conducted an onsite assessment September 19-20, 2006.

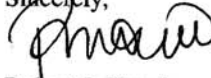
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NFESC 413  
February 7, 2007

restoration projects. In these circumstances the laboratory's capability to run the tests will be reviewed and the table will be modified accordingly.

Questions concerning the information provided should be directed to the NFESC ER QA Program coordinator, Ms. Patricia Moreno at (805) 982-1659, or via email at [pati.moreno@navy.mil](mailto:pati.moreno@navy.mil).

Sincerely,



*For* Robert J. Kratzke  
Supervisor, Consultation/Information  
Management Branch